

LISTING OF THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in the application.

Claims 1-9 (Canceled)

10. (currently amended) Software embodied in one or more computer readable-media when executed operable to:

display, within a Web page on a client computer coupled to a network environment, a plurality of two-dimensional image maps ~~secondary spatial images being representations~~ ~~components~~ of an original multi-dimensional image having more than two dimensions, with locations in the two-dimensional image maps ~~secondary spatial images~~ specified by values of first and second coordinates which specify locations in said ~~representations~~ ~~components~~ of the original multi-dimensional image;

select a particular location on ~~[[a]] one of said~~ two-dimensional ~~secondary spatial~~ ~~image maps~~ having particular values of the first and second coordinates, where selecting the particular location on the two-dimensional ~~spatial image~~ image map determines a multi-dimensional coordinate, including ~~coordinate including~~ at least three coordinate values, a third coordinate value ~~which, together with the first and second coordinates, indicates an indicated~~ indicates a specific location in the original multi-dimensional image;

initiate access to a correlated location in a secondary ~~image map, where the secondary~~ ~~map is a data structure which holds a plurality of multi-bit object indices at locations in the~~ secondary map, with the correlated location homologous to ~~the indicated said specific~~ location, to retrieve a ~~retrieved specific~~ specific object index for ~~the indicated said specific~~ said specific location after the said ~~particular~~ location of the two-dimensional ~~secondary spatial image map~~ displayed on the client computer is selected; and

cause a server computer coupled to the network environment to utilize ~~the retrieved~~ said specific object index for ~~the indicated said specific~~ said specific location to access a program action associated with said specific ~~the indicated~~ location.

11. (canceled)

12. (currently amended) The software of claim 10 where the multi-dimensional image is a three-dimensional volume image and the two-dimensional ~~secondary spatial image map~~ is a planar slice of the three-dimensional volume image.

13. (currently amended) The software of claim 10 where the multi-dimensional image is a video clip and the two-dimensional ~~secondary spatial image map~~ is a frame of the video clip.

14-15. (Canceled)

16. (currently amended) Software embodied in one or more computer readable media when executed operable to:

utilize, on a server computer coupled to ~~a~~ the network environment, a ~~retrieved~~ specific object index for ~~an indicated~~ a specific location to access a program action associated with ~~the indicated~~ said specific location;

wherein said object index is obtained by the execution of code, on a client computer coupled to the network environment, to display, within a Web page, a plurality of two-dimensional ~~secondary spatial images~~ image maps being representations ~~components~~ of an original multi-dimensional image having more than two dimensions, with locations in the two-dimensional ~~secondary spatial images~~ image maps specified by values of first and second coordinates which specify locations in said representations ~~components~~ of ~~an~~ the original multi-dimensional image;

wherein said display is to allow a user to select a particular location on [[a]] one of said two-dimensional ~~secondary spatial image maps~~ image maps having particular values of the first and second coordinates, where selecting the particular location on the two-dimensional ~~spatial image map~~ image map determines a multi-dimensional coordinate, including at least three coordinate values which indicate ~~said specific~~ a third coordinate value which, together with the first and second coordinates, indicates ~~said indicated location in the original multi-dimensional image; and~~

wherein said selecting further initiates access to a correlated location in a secondary ~~image map, where the secondary map is a data structure which holds a plurality of multi-bit object indices at locations in the secondary map, with the correlated location~~ homologous to said specific ~~the indicated location, to retrieve said specific~~ retrieved object index for said specific ~~the indicated~~ location after said particular ~~the~~ location of the two-dimensional ~~secondary spatial image map~~ image map displayed on the client computer is selected.

17. (previously presented) The software of claim 16 wherein said selecting occurs on said client computer.

18. (currently amended) The software of Claim 16 wherein said secondary image map is located on said client computer.

19. (currently amended) A method of serving digital information, the method comprising:
receiving a request for a distributed hypermedia document at a network ~~server~~; ~~servers~~
transmitting the distributed hypermedia document from the network server to a distributed hypermedia browser in response to receiving the request, the distributed hypermedia document including an HTML tag to cause the display, within a Web page on a client computer coupled to a network environment, of a plurality of two-dimensional ~~secondary spatial images~~ image maps being ~~representations~~ components of an original multi-dimensional image having more than two dimensions, with locations in the two-dimensional ~~secondary spatial images~~ image maps specified by values of first and second coordinates which specify locations in said representations ~~components~~ of an original multi-dimensional image, wherein said display is to allow a user to select a particular location on [[a]] one of said two-dimensional ~~secondary spatial image maps~~ having particular values of the first and second coordinates, where selecting the particular location on the two-dimensional ~~spatial image map~~ determines a multi-dimensional coordinate, including at least three coordinate values which indicate a specific ~~a third coordinate value which, together with first and second coordinates, indicates an indicated~~ location in the original multi-dimensional image, wherein said selecting further initiates access to a correlated location in a secondary ~~image map~~, where the secondary map is a data structure which holds a plurality of multi-bit object indices at locations in the secondary map, with the correlated location homologous to ~~said specific the-~~ indicated location to retrieve a specific ~~retrieved~~ object index for said specific ~~the indicated~~ location after the said particular location of the said two-dimensional ~~secondary spatial image map~~ displayed on the client computer is selected, and wherein said selecting further causes a server computer coupled to the network environment to utilize said specific ~~the retrieved~~ object index for said particular ~~the indicated~~ location to access a program action associated with said particular ~~the indicated~~ location.

20. (previously presented) The method of claim 19 wherein said selecting occurs on said client computer.

21. (currently amended) The method of Claim 19 wherein said secondary image map is located on said client computer.

22. (new) A method for accessing program actions associated with locations in video frames viewed on a computer system, the method comprising the steps of:

- displaying, within a Web page on a client computer coupled to a network environment, a plurality of two-dimensional video frames, being representations of a multi-dimensional video file, on a computer screen, with locations in the two-dimensional video frames specified by values of first and second coordinates which are x and y coordinates specifying locations in a single video frame of the video file;
- selecting a particular location on one of said two-dimensional video frames having particular values of the first and second coordinates, where selecting the particular location on the two-dimensional video frame determines a multi-dimensional coordinate, including three coordinate values, which indicates the location of a specific location in the multi-dimensional video file, where first and second coordinates values are values of said x and y coordinates and a third coordinate value specifies a time dimension of the video file;
- initiating access to a correlated location in a secondary map, where the secondary map is a data structure which holds a plurality of multi-bit object indices at locations in the secondary map, with the correlated location homologous to said specific location, to retrieve a specific object index for said specific location after said particular location of the two-dimensional video frame displayed on the client computer is selected; and
- causing a sever computer coupled to the network environment to utilize said specific object index for said specific location to access a program action associated with said specific location.